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(54) LCDディスプレイ固定装置

要約

本考案はポータブルPC (PORTABLE PC)やワードプロセッサ (WORD PROCESSOR)でLCDディスプレイを固定する装置を構成するにおいて、リアパネルに着脱されるフロントパネル内側面の4ヶ所にガイドポストのアンダーカットを有する係止突起を形成し、前記ガイドポストにクッションゴムを挿入した後、LCDディスプレイの4角部に形成された係合片を挿入してクランプで固定することによりディスプレイの交替が容易であるなど、使用が便利にしたものである。

実用新案登録請求の範囲

1. リアパネルに着脱されるフロントパネル内側面の4ヶ所にガイドポストのアンダーカットを有する係止突起を形成し、前記ガイドポストにクッションゴムを挿入した後、LCDディスプレイの4角部に形成された係合片を挿入してクランプで固定することを特徴とするLCDディスプレイ固定装置。

図面の簡単な説明

第2図は本考案の全体構成を示した分解斜視図、第3図は本考案の要部構成図であって、(イ)は分離状態図、(ロ)は結合状態図。

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(권 2 면)

④ LCD 디스플레이 고정장치

④ 요 약

본 고안은 포테이블피씨(PORTABLE PC)나 워드프로세서(WORD PROCESSOR)에서 LCD 디스플레이를 고정하는 장치를 구성함에 있어서, 비어판넬에 작렬되는 프론트판넬 내측면의 네뿔에 가이드포스트의 언더컷을 갖는 걸림돌기를 형성하고, 상기 가이드포스트에 무손고무를 삽입한후 LCD 디스플레이의 네뿔서리에 형성된 걸림편을 삽입하여 플랫프로 고정하도록 함으로써 디스플레이 교체가 용이한등 사용이 편리하도록 한 것이다.

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실용신안 등록청구의 범위

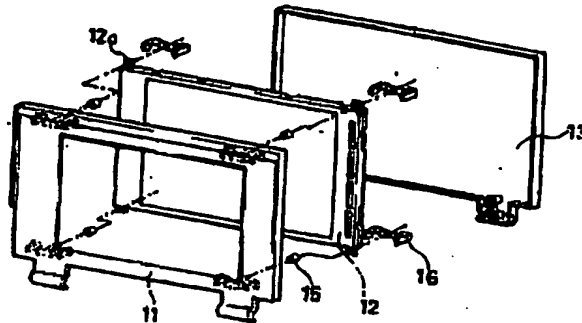
1. 리어판넬에 착탈되는 프론트판넬 내측면의 네곳에 가이드포스트의 언더컷을 갖는 점령물기를 형성하고, 상기 가이드포스트에 푸쉬고부를 삽입한후 LCD디스플레이의 네모서리에 형성된 절합편을 삽입하여 슬랭프로 고정함을 특징으로 하는 LCD디스플레이 고정장치.

※ 참고사항: 최초출원 내용에 의하여 공개하는 것임.

도면의 간단한 설명

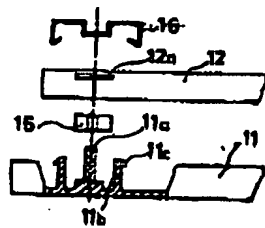
제2도는 본 고안의 전체 구성을 나타낸 분해 사시도, 제3도는 본 고안의 요부 구성도로서, (가)는 분리상태도, (나)는 결합상태도.

제 2 도

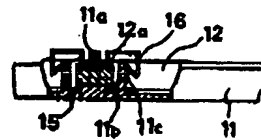


제 3 도

(가)



(나)



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**KIM & CHANG**
Kim & Chang Patent Law Office**(19) Korean Patent Agency (KR)****(12) Publication of Unexamined Utility Model Application (U)**(51) Int. Cl.⁵

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(72) Inventor: Han Sok Ban [phonetic rendering]

(71) Applicant: Kim Sung [Gold Star] Co., Ltd.

(74) Agent: Kim Guk Nam and 1 other

(54) LCD display anchoring device

Abstract

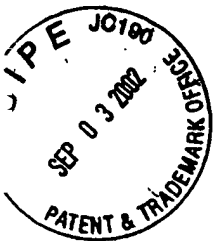
In constituting a device that anchors an LCD display in a portable PC or word processor, this utility model forms stopping protrusions that have guidepost undercuts in four places on the front panel inside surface that can be attached to and detached from the rear panel, and it has been made convenient to use because, for example, it is easy to replace the display by inserting cushion rubber in said guideposts, then inserting engagement pieces formed in the four corners of the LCD display and fixing them in place with clamps.

Claims of the Utility Model

1. An LCD display anchoring device that is characterized in that it forms stopping protrusions that have guidepost undercuts in four places on the front panel inside surface that can be attached to and detached from the rear panel, and one inserts cushion rubber in said guideposts, then inserts engagement pieces formed in the four corners of the LCD display and holds it in place with clamps.

Brief Explanation of the Drawings

Figure 2 is an exploded view showing the overall composition of this utility model, and in Figure 3, which is a diagram of the essential composition of this utility model, (a) is a diagram of the separated state and (b) is a diagram of the joined stated.



1. This application concerns a liquid crystal module device structure, and a portable data terminal or information processing device that makes use of this structure, that is characterized in that protrusions are formed on the upper and lower edges of the liquid crystal module, connection parts are formed on each of the outer frames that have a base board arranged on the back surface of the liquid crystal module and openings through which the display surface can be exposed, and the base board and liquid crystal module and outer frames are connected via through-holes in said protrusions and connections; cited reference 1 (publication of unexamined utility module application 1994-6282, March 22, 1994) concerns an LCD display anchoring device in which there are formed stopping protrusions that have guidepost undercuts in four places on the front panel inside surface that can be attached to and detached from the rear panel, and the display can be replaced easily by inserting cushion rubber in said guideposts, then inserting engagement pieces formed in the four corners of the LCD display and fixing them in place with clamps; cited reference 2 (publication of Japanese unexamined utility module application H3-54983, May 28, 1991) concerns a display device for electronic equipment that is characterized in that a display body on a flat panel and electronic circuit components are arranged in planes parallel to each other; comparing this application and the cited references, the protrusions formed on the upper and lower edges of the liquid crystal module in order to align the liquid crystal module between the base board and the outer frame and the connection part that connects the base board and the outer frame via through-holes formed in the base board and outer frame, which in composition are the characteristic technical composition of this application, correspond respectively to the engagement pieces formed on the upper and lower parts of the LCD display of cited reference 1 and to cited reference 2's screw piercing parts formed in the corners of the anchoring frame and the accommodation parts (see Figure 3) formed in the corners of the rear outer case, and if there is difficulty of selection of constituent elements, it is unattractive, and by forming protrusions on the upper and lower edges of the liquid crystal module and making them so as to be able to connect the base board and the outer frame to the liquid crystal module, the cover inside which the liquid crystal module is accommodated can be manufactured compactly, the work efficiency with respect to assembly of the cover can be improved, and the manufacturing process can be simplified; in view of the fact that this purpose and effect of this application can be foreseen from the cited references by one skilled in the art, it is concluded that this application can easily be invented by one skilled in the art by combining cited references 1 and 2.

[Attachments]

- Attachment 1: Publication of Korean unexamined utility module application 1994-6282 (March 22, 1994) 1 copy
Attachment 2: Publication of Japanese unexamined utility module application H03-054983 (May 28, 1991) 1 copy